IN THE CLAIMS:

Please amend the claims as follows:

1. – (Canceled)

2. – (Canceled)

3. – (Currently Amended) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMSC) THROUGH INTERNET, according to claim [[2]] 19, characterised in that server module (9) of the SMSC (5) comprises a composition block of SMS messages proper (33) which composes said SMS message from the SMS-http message.

4. - (Currently Amended) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMSC) THROUGH INTERNET, according to claim 19, characterised in that client modules (2, 8) comprise means (35) of calculating HASH security functions (63); and in that the server modules (3, 9) comprise means of confirming the HASH security functions (35); in order to generate a return code (27) which enables or denies a connection as a function of the HASH sent and obtained.

5. – (Currently Amended) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMSC) THROUGH INTERNET, according to claim 19, characterised in that client modules (2, 8) have encoding means (62) and server modules (3, 9) have decoding means (34), to allow more characters and symbols to be sent/received.

6. - (Original) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMSC) THROUGH INTERNET, according to claim 5, characterised in that the encoding (63) and decoding (35) means, perform base64 encoding/decoding.

7. - (Original) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMSC) THROUGH INTERNET, according to claim 4, characterised in that SMS composition block (33) of the server module of the SMSC (5) has means

of translating from the SMS-http message to GSM characters, prior to composing the SMS message, to allow this to be sent via the GSM network.

8. - (Currently Amended) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMSC) THROUGH INTERNET, according to claim 19, characterised in that client modules (2, 8) have means of segmentation of the information in order to send longer messages.

9. - (Currently Amended) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SM~~5~~SC) THROUGH INTERNET, according to claim 8, characterised in that the means of segmentation of client module (2, 8) are foreseen in message composition block (59).

10. - (Currently Amended) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMSC) THROUGH INTERNET, according to claim 19, characterised in that server modules (3, 9) have means of segmentation of the information in order to send longer messages.

11. - (Original) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMSC) THROUGH INTERNET, according to claim 10, characterised in that the means of segmentation of server module (3, 9) are foreseen in message composition block SMS (33).

12. - (Currently Amended) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMSC) THROUGH INTERNET, according to ~~any one of the previous~~ claims 19, characterised in that mandatory and optional parameters of the short messages are sent.

13. - (Currently Amended) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMSC) THROUGH INTERNET, according to claim 12, characterised in that short message composition block (33) of server module (3, 9) is

provided with ~~has~~ means for recovery of the mandatory and optional parameters, and in the event that the optional parameters are omitted it is provided with means for inserting ~~inserts~~ default values.

14. - (Currently Amended) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMSC) THROUGH INTERNET, according to claim 19, characterised in that client modules (2, 8) have means of generating acknowledgement of receipt, which are sent through message transmission block (64) to the corresponding server module (3, 9) and in that client modules (2, 8) also have means of transmitting the result of the acknowledgement of receipt to server module (3, 9) of client module (2, 8) that generated the acknowledgement of receipt in the first instance.

15. - (Currently Amended) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMSC) THROUGH INTERNET, according to claims 3, 4 or 14, characterised in that server modules (3, 9) are provided with ~~have~~ a return code transmission block (37) provided with means for indicating ~~to indicate~~ that the transmission has been correct or has been errored; and in this last case also provided with means for identifying ~~to identify~~ the type of error produced; ~~and in that~~ the client modules (2, 8) being also provided with ~~have~~ a return code reception block (58).

16. - (Currently Amended) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMSC) THROUGH INTERNET, according to claim 19, characterised in that means of reattempting transmission of failed messages a certain number of times have been foreseen and of reattempting transmission of acknowledgement of receipt messages a certain number of times.

17. - (Currently Amended) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMEC) THROUGH INTERNET, according to claim 19, characterised in that the SMS is sent from remote server (1) to the mobile telephone user (7) and/or from the mobile telephone user (7) to remote server (1).

18. - (Currently Amended) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMSC) THROUGH INTERNET, according to

claim 19, characterised in that client module (8) and server module (9) of the operator of the mobile telephony network (6) have means of simultaneous communication with a plurality of remote servers (1), to furnish simultaneous connection to a mobile telephone user (7) with a plurality of remote servers (1).

19. - (New) - SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMSC) THROUGH INTERNET, which is provided with means for sending short messages (SMS) between a remote server (1) and a mobile telephone user (7), which is in communication with a short message service centre (5) (SMSC) on a GSM network (10), said remote server (1) being provided with means for communicating with the SMSC (5) via an Internet hypertext transfer protocol (http), for which both the SMSC (5) and remote server (1) are provided with means (2, 3, 8, 9) of bi-directional transmission/reception of short messages via the protocol (http); characterised in that the transmission/reception comprises a client module (2, 8) and a server module (3, 9), client modules (2, 8) comprising an SMS-http message composition block (59) which is provided with means for composing short messages adapted for their transmission via the Internet http protocol, also being provided with a block for transmission of SMS-http messages (64) to server module (3, 9) to which it is intended to send them; and server modules (3, 8) comprising an SMS-http message reception block (29) and a data analysis block (30) which is provided with access to a database (32) provided with means for verifying the data of originator, addressee of the message and access code, and as a function of this verification is also provided with means for generating a return code (23) signalling data correct or data errored.

20. – (New) SYSTEM OF INTERCONNECTING A REMOTE SERVER WITH A SHORT MESSAGE SERVICE CENTRE (SMSC) THROUGH INTERNET, according to claim 14, characterised in that means of reattempting transmission of failed messages a certain number of times have been foreseen and of reattempting transmission of acknowledgement of receipt messages a certain number of times.